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(Declaration and Power of Attorney [1-1]—page 1 of 5)

PATENTAttorney's Docket No. 301**COMBINED DECLARATION AND POWER OF ATTORNEY****(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL,
CONTINUATION OR CIP)**

As a below named inventor, I hereby declare that:

TYPE OF DECLARATION

This declaration is of the following type: (check one applicable item below)

- ☒ original
☐ design
☐ supplemental

NOTE: If the declaration is for an International Application being filed as a divisional, continuation or continuation-in-part application do not check next item; check appropriate one of last three items.

- ☐ national stage of PCT

NOTE: If one of the following 3 items apply then complete and also attach ADDED PAGES FOR DIVISIONAL CONTINUATION OR CIP.

- ☐ divisional
☐ continuation
☐ continuation-in-part (CIP)

INVENTORSHIP IDENTIFICATION

WARNING: If the inventors are each not the inventors of all the claims an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

"Vaporizing Reactant Liquids for Chemical Vapor Deposition Film Processing"

SPECIFICATION IDENTIFICATION

the specification of which: (complete (a), (b) or (c))

- (a) ☐ is attached hereto.
(b) ☒ was filed on 12/15/92 as ☒ Serial No. 07/990,755
or ☐ Express Mail No., as Serial No. not yet known _____
and was amended on _____ (if applicable).

NOTE: Amendments filed after the original papers are deposited with the PTO which contain new matter are not accorded a filing date by being referred to in the declaration. Accordingly, the amendments involved are those filed with the application papers or, in the case of a supplemental declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. See 37 CFR 1.67.

- (c) ☐ was described and claimed in PCT International Application No. _____ filed on _____ and as amended under PCT Article 19 on _____ (if any).

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information

- which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56

(also check the following items, if desired)

☒ and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable examiner would consider it important in deciding whether to allow the application to issue as a patent, and

☒ In compliance with this duty there is attached an information disclosure statement in accordance with 37 CFR 1.98.

PRIORITY CLAIM (35 U.S.C. § 119)

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

(complete (d) or (e))

(d) ☒ no such applications have been filed.

(e) ☐ such applications have been filed as follows.

NOTE: Where item (c) is entered above and the International Application which designated the U.S. itself claimed priority check item (e), enter the details below and make the priority claim.

A. PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119

COUNTRY (OR INDICATE IF PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 37 USC 119
			<input type="checkbox"/> YES NO <input type="checkbox"/>
			<input type="checkbox"/> YES NO <input type="checkbox"/>
			<input type="checkbox"/> YES NO <input type="checkbox"/>
			<input type="checkbox"/> YES NO <input type="checkbox"/>
			<input type="checkbox"/> YES NO <input type="checkbox"/>

(Declaration and Power of Attorney [1-1]—page 3 of 5)

**ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**

NOTE: If the application filed more than 12 months from the filing date of this application is a PCT filing forming the basis for this application entering the United States as (1) the national stage, or (2) a continuation, divisional, or continuation-in-part, then also complete ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR CIP APPLICATION for benefit of the prior U.S. or PCT application(s) under 35 U.S.C. § 120.

POWER OF ATTORNEY

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number)

Robert J. Stern - Registration Number: 29,703

Charles S. Guenzer - Registration Number: 30,640

Thomas W. Humphrey - Registration Number: 34,353

(check the following item, if applicable)

- ☐ Attached as part of this declaration and power of attorney is the authorization of the above-named attorney(s) to accept and follow instructions from my representative(s).

SEND CORRESPONDENCE TO

Robert J. Stern - Mail Stop #0934
Patent Counsel
Applied Materials, Inc.
3050 Bowers Ave.
Santa Clara, CA. 95054

DIRECT TELEPHONE CALLS TO:
(Name and telephone number)

Thomas W. Humphrey
(617) 542-5070

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE(S)

Full name of sole or first inventor Visweswaren Sivaramakrishnan

Visweswaren

(GIVEN NAME)

(MIDDLE INITIAL OR NAME)

Sivaramakrishnan

FAMILY (OR LAST NAME)

Inventor's signature 

Date 4-1-93 Country of Citizenship India

Residence Cupertino, California

Post Office Address 20597 Mapletree Place
Cupertino, CA. 95014

(Declaration and Power of Attorney [1-1]- page 4 of 5)

Full name of second joint inventor, if any John M. White
John M. White
(Given Name) (Middle Initial or Name) (Family or Last Name)
Inventor's signature *John M. White*
Date 4/2/93 Country of Citizenship U.S.A.
Residence Hayward, California
Post Office Address 2811 Colony View Place
Hayward, CA. 94541

CHECK PROPER BOX(ES) FOR ANY OF THE FOLLOWING ADDED PAGE(S) WHICH FORM A PART OF THIS DECLARATION

- ☐ Signature for third and subsequent joint inventors. *Number of pages added* _____
- ☐ Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. *Number of pages added* _____
- ☐ Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. *Number of pages added* _____

...

- ☐ Added pages to combined declaration and power of attorney for divisional, continuation, or continuation-in-part (CIP) application.
 - ☐ Number of pages added _____

...

- ☐ Authorization of attorney(s) to accept and follow instructions from representative

...

If no further pages form a part of this Declaration then end this Declaration with this page and check the following item

- ☒ This declaration ends with this page

RECEIVED

MAY 3 - 2001

APRIL 30, 2001

DERGOSITS & NOAH LLP
MICHAEL E. DERGOSITS, ESQ.
FOUR EMBARCADERO CENTER, SUITE 1150
SAN FRANCISCO, CALIFORNIA 94111

DERGOSITS PTAS



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231



101618505A

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NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/09/2001

REEL/FRAME: 011515/0891
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

SIVARAMAKRISHNAN, VISWESWAREN

DOC DATE: 04/01/1993

ASSIGNOR:

WHITE, JOHH M.

DOC DATE: 04/02/1993

ASSIGNEE:

APPLIED MATERIALS, INC.
3050 BOWERS AVENUE
SANTA CLARA, CALIFORNIA 95054

SERIAL NUMBER: 09660208
PATENT NUMBER:

FILING DATE: 09/12/2000
ISSUE DATE:

ALLYSON PURNELL, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

2-21-2001

ER SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

OMB No. 0651-0011 (exp. 4/94)

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101618505

▽ ▽ ▽

2-9-01

To the Assistant Commissioner of Patents: Please record the attached original documents or copy thereof.

1. Name of conveying parties:

Visweswaren Sivaramakrishnan
Johh M. White

FEB - 9 2001

Additional names of conveying parties attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: Applied Materials, Inc.

Internal Address: _____

3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____

Execution Date: _____

Street Address: 3050 Bowers AvenueCity: Santa Clara State: CA ZIP: 95054Additional names & addresses attached? ☐ Yes ☒ No

4. Application number:

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.

09/660,208

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Michael E. Dergosits, Esq.Internal Address: DERGOSITS & NOAH LLPFour Embarcadero Center, Suite 1150San Francisco, CA 94111

Street Address: _____

City: _____ State: _____ Zip: _____

6. Total Number of applications and patents involved: ①

7. Total fee (37 CFR 3.41)\$ 40.00☒ Enclosed☒ Authorized to be charged to deposit account

8. Deposit account number:

04-0822

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Michael E. Dergosits, Reg. No. 31,243

Name of Person Signing

Signature

Date

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents, Box Assignments
Washington, D.C. 20231

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses
of Inventors:

1st Inventor: Visweswaren Sivaramakrishnan
20597 Maplecrest Place
Cupertino, CA. 95014
U.S.A.

2nd Inventor: John M. White
2811 Colony View Place
Hayward, CA. 94541
U.S.A.

(hereinafter referred to as Assignor), have invented a certain invention entitled:

"Vaporizing Reactant Liquids for Chemical Vapor Deposition Film Processing"

for which application for Letters Patent of the United States has been

filed on 12/15/92, under Serial No.: 07/990,755,

executed on even date herewith.

WHEREAS, Applied Materials, Inc. a corporation of the State of Delaware, having a place of business at 3050 Bowers Avenue, Santa Clara, California 95054 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignor, and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter referred to as Patents) thereon granted in the United States of America, and foreign countries, and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignor to have been received in full from said Assignee:

1. Said Assignor hereby sells, assigns, transfers and conveys to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for foreign patents on said Invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in the United States, any foreign country or any group of countries, including each and every Application filed and each and every Patent granted on any application which is a division, substitution, or continuation of said Application, and (d) in and to each and every reissue or extension of any of said Patents.
2. Said Assignor hereby covenants and agrees to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in the United States, foreign countries and groups of countries. Such cooperation by said Assignor shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefor and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignor in providing such cooperation shall be paid for by said Assignee.
3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignor, his respective heirs, legal representatives and assigns.
4. Said Assignor hereby warrants and represents that he has not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee this

- (1) 1st day of APRIL, 1993;
(2) 2nd day of April, 1993; respectively.

(1)

Visweswaren Sivaramakrishnan

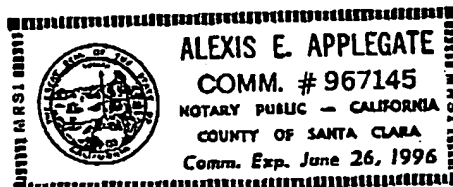
State of California)
County of Santa Clara)

On April 1, 1993 before me, Alexis E. Applegate, Notary Public,
personally appeared Visweswaren Sivaramakrishnan

personally known to me - or - proved to me on the basis of satisfactory evidence
to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which
the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Alexis E. Applegate
Notary Public



(2)

John M. White

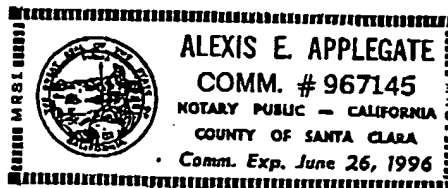
State of California)
County of Santa Clara)

On April 2, 1993 before me, Alexis E. Applegate, Notary Public,
personally appeared John M. White

personally known to me - or - proved to me on the basis of satisfactory evidence
to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which
the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Alexis E. Applegate
Notary Public



COPY

To the Assistant Commissioner of Patents: Please record the attached original documents or copy thereof.

Date _____

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